

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PHUS020634WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/IB 03/06058	International filing date (day/month/year) 12/12/2003	(Earliest) Priority Date (day/month/year) 20/12/2002
Applicant KONINKLIKE PHILIPS ELECTRONICS N.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1 _____

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/06058

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H05B41/392

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 098186 A (MATSUSHITA ELECTRIC WORKS LTD ;KAMOI TAKESHI (JP); ABE TAKAHIRO (J) 5 December 2002 (2002-12-05) page 1, line 1 -page 21, line 4; figures 1-22 ---	1-19
X	WO 02 34015 A (TRIDONICATCO GMBH & CO KG ;TROESTL ALFRED (AT); NACHBAUR ALEXANDER) 25 April 2002 (2002-04-25) page 1, line 3 -page 7, line 30; figures 1-6 ---	1-3, 12-15, 17,19
A	US 6 359 393 B1 (BROWN CRAIG) 19 March 2002 (2002-03-19) -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

9 March 2004

Date of mailing of the international search report

18/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Albertsson, E

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/06058

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02098186	A	05-12-2002	JP 2003217890 A	31-07-2003
			WO 02098186 A1	05-12-2002
			JP 2003229296 A	15-08-2003
WO 0234015	A	25-04-2002	DE 10051139 A1	25-04-2002
			AU 9380701 A	29-04-2002
			BR 0114678 A	07-10-2003
			WO 0234015 A1	25-04-2002
			EP 1330945 A1	30-07-2003
			US 2004004447 A1	08-01-2004
US 6359393	B1	19-03-2002	US 5806272 A	15-09-1998
			AT 215660 T	15-04-2002
			AU 2882397 A	05-01-1998
			CA 2206196 A1	30-11-1997
			WO 9746782 A1	11-12-1997
			DE 69711620 D1	08-05-2002
			DE 69711620 T2	18-07-2002
			EP 0902857 A1	24-03-1999
			ES 2174255 T3	01-11-2002
			JP 2000511249 T	29-08-2000
			US 6035602 A	14-03-2000